WEST Search History

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DATE: Thursday, April 13, 2006

Hide?	Set Name	Query	Hit Count
	DB=PGPB,USPT; PLUR=YES; OP=OR		
☐	L2	564/161.ccls.	378
☐	L1	514/613.ccls.	438

END OF SEARCH HISTORY

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TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	DEC 21	IPC search and display fields enhanced in CA/CAplus with the IPC reform
NEWS 4	DEC 23	New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/ USPAT2
NEWS 5	JAN 13	IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
NEWS 6	JAN 13	New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to INPADOC
NEWS 7	JAN 17	Pre-1988 INPI data added to MARPAT
NEWS 8	JAN 17	IPC 8 in the WPI family of databases including WPIFV
NEWS 9	JAN 30	Saved answer limit increased
NEWS 10	JAN 31	Monthly current-awareness alert (SDI) frequency added to TULSA
NEWS 11	FEB 21	STN AnaVist, Version 1.1, lets you share your STN AnaVist visualization results
NEWS 12	FEB 22	Status of current WO (PCT) information on STN
NEWS 13	FEB 22	The IPC thesaurus added to additional patent databases on STN
NEWS 14	FEB 22	Updates in EPFULL; IPC 8 enhancements added
NEWS 15	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS 16	FEB 28	MEDLINE/LMEDLINE reload improves functionality
NEWS 17	FEB 28	TOXCENTER reloaded with enhancements
NEWS 18	FEB 28	REGISTRY/ZREGISTRY enhanced with more experimental spectral property data
NEWS 19	MAR 01	INSPEC reloaded and enhanced
NEWS 20	MAR 03	Updates in PATDPA; addition of IPC 8 data without attributes
NEWS 21	MAR 08	X.25 communication option no longer available after June 2006
NEWS 22	MAR 22	EMBASE is now updated on a daily basis
NEWS 23	APR 03	New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS 24	APR 03	Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL

NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT
http://download.cas.org/express/v8.0-Discover/

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* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 13:55:24 ON 04 APR 2006

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 13:55:32 ON 04 APR 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 3 APR 2006 HIGHEST RN 879121-98-9
DICTIONARY FILE UPDATES: 3 APR 2006 HIGHEST RN 879121-98-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

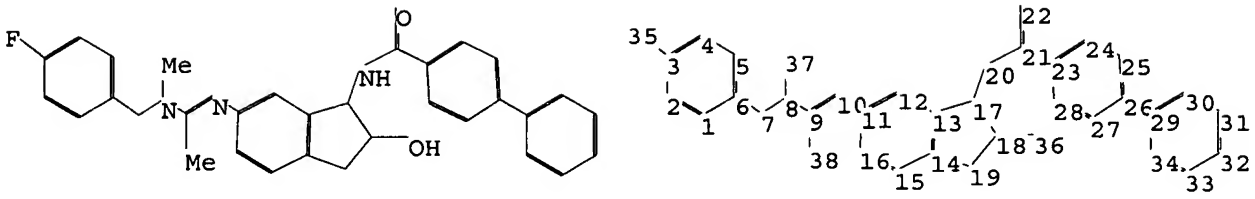
****
* *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
* *
****

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10524960\Struc 1.str



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7 8 9 10 20 21 22 35 36 37 38
ring nodes :
1 2 3 4 5 6 11 12 13 14 15 16 17 18 19 23 24 25 26 27 28 29
30 31 32 33 34
chain bonds :
3-35 6-7 7-8 8-9 8-37 9-10 9-38 10-11 17-20 18-36 20-21 21-22 21-23
26-29
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 11-12 11-16 12-13 13-14 13-17 14-15 14-19
15-16 17-18 18-19 23-24 23-28 24-25 25-26 26-27 27-28 29-30 29-34 30-31
31-32 32-33 33-34
exact/norm bonds :
7-8 8-9 9-10 10-11 13-17 14-19 17-18 17-20 18-19 18-36 20-21 21-22
exact bonds :
3-35 6-7 8-37 9-38 21-23 26-29
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 11-12 11-16 12-13 13-14 14-15 15-16 23-24
23-28 24-25 25-26 26-27 27-28 29-30 29-34 30-31 31-32 32-33 33-34

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:CLASS 21:CLASS 22:CLASS 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom
29:Atom 30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:CLASS 36:CLASS 37:CLASS
38:CLASS

L1 STRUCTURE UPLOADED

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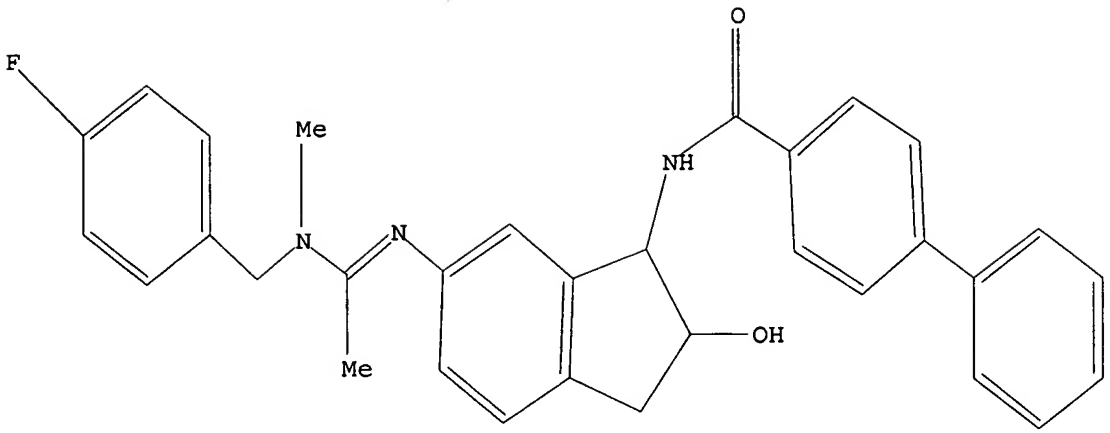
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

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=> l1
SAMPLE SEARCH INITIATED 13:55:49 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        3 TO ITERATE

100.0% PROCESSED         3 ITERATIONS                                  3 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            3 TO      163
PROJECTED ANSWERS:               3 TO      163

L2             3 SEA SSS SAM L1

=> l1 exa
SAMPLE SEARCH INITIATED 13:55:54 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        2 TO ITERATE

100.0% PROCESSED         2 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            2 TO      124
PROJECTED ANSWERS:               0 TO        0

L3             0 SEA EXA SAM L1

=> l1 exa full
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FULL SCREEN SEARCH COMPLETED -       41 TO ITERATE

100.0% PROCESSED        41 ITERATIONS                                  1 ANSWERS
SEARCH TIME: 00.00.01

L4             1 SEA EXA FUL L1
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=> file medline caplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                        56.54      56.75

FILE 'MEDLINE' ENTERED AT 13:56:11 ON 04 APR 2006

FILE 'CAPLUS' ENTERED AT 13:56:11 ON 04 APR 2006
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=> l4
L5            2 L4

=> d ibib abs hitstr 1-2

L5   ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         2004:182829  CAPLUS
DOCUMENT NUMBER:          140:217391
TITLE:                    Preparation of biphenyl-4-carboxylic acid
                          (R)-[6-[1-[(4-fluorobenzyl)methylamino]ethylideneamino
                          ]-2(R)-hydroxyindan-1-yl]amide hemihydrate as a
                          muscarinic agonist
INVENTOR(S):              Bush, Julie Kay; Heath, Perry Clark
PATENT ASSIGNEE(S):       Eli Lilly and Company, USA
SOURCE:                   PCT Int. Appl., 23 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.            KIND   DATE        APPLICATION NO.          DATE
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     WO 2004018411          A1    20040304    WO 2003-US23260          20030812
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
             PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
             TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
             FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
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     AU 2003256791          A1    20040311    AU 2003-256791           20030812
     EP 1534667             A1    20050601    EP 2003-792989           20030812
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
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     BR 2003013161          A     20050614    BR 2003-13161            20030812
     JP 2005536549          T2    20051202    JP 2004-530846           20030812
PRIORITY APPLN. INFO.:                         US 2002-405443P      P   20020822
                                               WO 2003-US23260      W   20030812

GI
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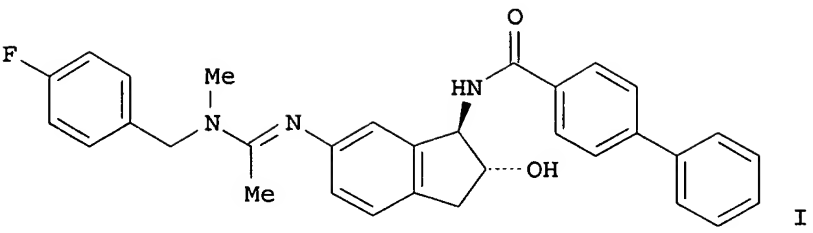


I

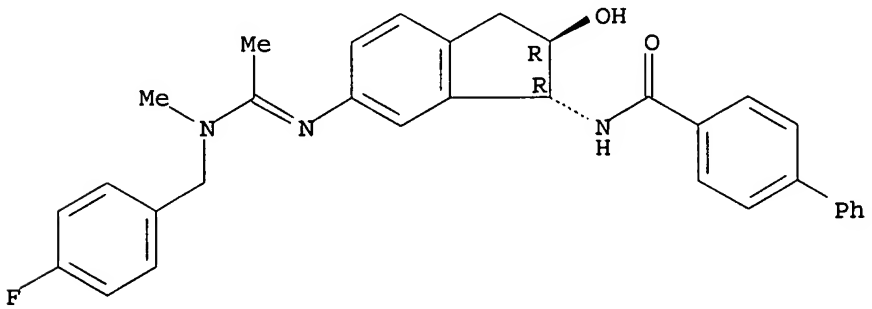
AB The present invention provides crystalline biphenyl-4-carboxylic acid (R)-[6-[1-[(4-fluorobenzyl)methylamino]ethylideneamino]-2(R)-hydroxyindan-1-yl]amide (I) hemihydrate, pharmaceutical compns. thereof, methods of using the same in treating disorders associated with the muscarinic receptors such as cognitive disorders, Alzheimer's disease, and schizophrenia, processes for making the same, and processes for making intermediates thereof. Thus, amination of 1,2-epoxy-6-nitroindane by aqueous ammonia and optical resolution of the resulting (1R*,2R*)-1-amino-6-nitroindan-2-ol with (S)-(+)-mandelic acid in MeOh gave (1R,2R)-1-amino-6-nitroindan-2-ol (S)-mandelate which was treated with a mixture of aqueous NaOh and toluene and underwent amidation with 4-biphenylcarbonyl chloride to give biphenyl-4-carboxylic acid [(1R,2R)-6-nitro-2-hydroxyindan-1-yl]amide (II). Hydrogenation of II over 10% Pd-C in DMF under H pressure of 50 psi for 19 h gave biphenyl-4-carboxylic acid [(1R,2R)-6-amino-2-hydroxyindan-1-yl]amide which was condensed with 1-methylthioethanone N-(4-fluorobenzyl)-N-methylimmonium iodide in the presence of 4-dimethylaminopyridine in THF at room temperature for 24 h to give, after workup and crystallization from MeCN, I acetonitrile solvate. Crystallization of I
acetonitrile solvate from aqueous MeOH gave I hemihydrate.

IT **505082-69-9P**
RL: IMF (Industrial manufacture); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of biphenylcarboxylic acid [[[(fluorobenzyl)methylamino]ethylideneamino]hydroxyindanyl]amide hemihydrate as selective muscarinic agonist for treating disorders associated with muscarinic receptors)

RN 505082-69-9 CAPLUS

CN [1,1'-Biphenyl]-4-carboxamide, N-[(1R,2R)-6-[[1-[[(4-fluorophenyl)methyl]methylamino]ethylidene]amino]-2,3-dihydro-2-hydroxy-1H-inden-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:261802 CAPLUS
DOCUMENT NUMBER: 138:287411
TITLE: Preparation of aminoethylideneaminoindanylamides as M1 muscarinic agonists
INVENTOR(S): Allen, Jennifer Rebecca; Hitchcock, Stephen Andrew; Liu, Bin; Turner, William Wilson, Jr.; Jamison, James Andrew
PATENT ASSIGNEE(S): Eli Lilly and Company, USA
SOURCE: PCT Int. Appl., 66 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2003027061	A2	20030403	WO 2002-US25969		20020909
WO 2003027061	A3	20030731			
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
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EP 1436249	A2	20040714	EP 2002-799555		20020909
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BR 2002012353	A	20040727	BR 2002-12353		20020909
CN 1556788	A	20041222	CN 2002-818550		20020909
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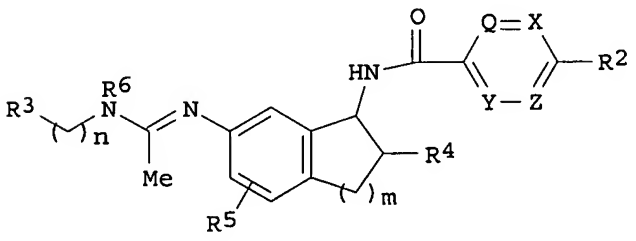
US 2004242584	A1	20041202	US 2004-488519		20040303
NO 2004001107	A	20040315	NO 2004-1107		20040315
ZA 2004002191	A	20050511	ZA 2004-2191		20040318
PRIORITY APPLN. INFO.:			US 2001-324141P	P	20010921
			WO 2002-US25969	W	20020909

OTHER SOURCE(S): MARPAT 138:287411
GI



I

AB Title compds. [I; Q, X, Y, Z = CR1, N; ≤2 of Q, X, Y, Z = N;

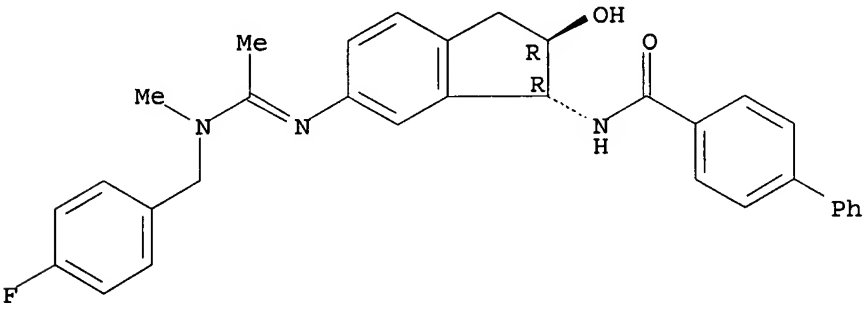
≥2 of Q, X, Y, Z = CH; or Y, Z = CH, QX = S; R1 = H, halo, alkoxy, alkyl; R2 = halo, alkoxy, alkyl, cyaloalkyl, cyano, CF3, (substituted) pyridinyl, thienyl, Ph, pyrrolyl; R3 = (substituted) Ph, naphthyl, heteroaryl, benzodioxolyl; R4 = H, OH, F; R5 = H, halo, alkoxy, alkyl; R6 = H, Me; m = 1, 2; n = 1-3], were prepared for treatment of schizophrenia, Alzheimer's disease, and cognitive disorders (no data). Thus, biphenyl-4-carboxylic acid (R)-(6-amino-2(R)-hydroxyindan-1-yl)amide (preparation given), 1-methylthio-1-methyl-N-(4-fluorobenzyl)-N-methylimmonium iodide (preparation given) and 4-dimethylaminopyridine were stirred together in THF for 24 h to give biphenyl-4-carboxylic acid (R)-[6-[1-[(4-fluorobenzyl)methylamino]ethylideneamino]-2(R)-hydroxyindan-1-yl]amide.

IT **505082-69-9P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(claimed compound; preparation of aminoethylideneaminoindanylamides as muscarinic agonists)

RN 505082-69-9 CAPLUS

CN [1,1'-Biphenyl]-4-carboxamide, N-[(1R,2R)-6-[[1-[[(4-fluorophenyl)methyl]methylamino]ethylidene]amino]-2,3-dihydro-2-hydroxy-1H-inden-1-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	11.09	67.84

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.50	-1.50

STN INTERNATIONAL LOGOFF AT 13:56:49 ON 04 APR 2006